



CERTIFICATE

1 EU – Type Examination Certificate

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU

3 EU – Type Examination Certificate Number: **KIWA 17ATEX0031 X Issue: 1**

4 Product: **Magnetic Level Indicator, Model Pointer D-, Pointer L- and Pointer M-**

5 Manufacturer: **Hadro Techniek B.V.**

6 Address: **Westbaan 270, 2841 MC Moordrecht
The Netherlands**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Kiwa Nederland B.V., Notified Body number 0620 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential ATEX Assessment Report No. 170201957.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN ISO 80079-36 : 2016 EN ISO 80079-37 : 2016

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU – Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:



II 1/2 G Ex h IIC T6...T1 Ga/Gb
II 1 D Ex h IIIC T85 °C...T450 °C Da

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Kiwa Nederland B.V.

Pieter van Breugel
Certification Officer

Issue date:

19 March 2018

First issue:

This certificate shall, as far as applicable, be revised before the date of cessation of presumption of conformity of (one of) the included standards above as communicated in the Official Journal of the European Union.

© Integral publication of this certificate in its entirety and without any change is allowed.

13 SCHEDULE

14 EU – Type Examination Certificate KIWA 17ATEX0031 X Issue No. 1

15.1 Description of product

The Magnetic Level Indicator, Model Pointer D-, L- and M- is used for measuring the level of liquids in tanks. The level indicator is mounted adjacent to the tank so the liquid level in the measuring tube corresponds to the liquid level in the tank.

Magnetic Level Indicator Model Pointer L- is provided with one side process connection; Magnetic Level Indicator Model Pointer D- and Pointer M- are provided with 2 or 3 side process connections.

The measuring tube, made of stainless steel, Hastelloy, Monel or 254SMO/6Mo is equipped with a stainless steel or titanium float containing magnets. The outside indicator which is magnetically coupled with the float indicates the level inside the measuring tube.

15.2 Thermal data

The relation between temperature class, maximum surface temperature and maximum process temperature is listed in the following table:

Temperature class	Maximum surface temperature	Maximum process temperature
T6	T85 °C	68 °C
T5	T100 °C	80 °C
T4	T135 °C	108 °C
T3	T200 °C	160 °C
T2	T300 °C	240 °C
T1	T450 °C	360 °C

Ambient temperature range -50 °C to +85 °C.

15.3 Instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

16 ATEX Assessment Report Number

170201957.

17 Specific Conditions of Use

A build-up of electrostatic charge of the indicator cover shall be prevented by suitable measures.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at section 9.

19 Drawings and Documents

As listed in ATEX Assessment Report No. 170201957.